

# PMI Lab Experiments - Summary

Session 4 – PFC Meeting, Dec. 6-8, 2004

## Experiment Highlights

- PISCES: • a little Be suppresses C sputtering  
• Be reacts with W  
• ELM/blob simulations
- IMPACT: • Li moves through B and C  
• Li can exist on C awhile
- FLIRE: • D uptake in Li(*l*) data show  $< 100\%$
- IIAX: • Sn self-sputtering not T dependent
- MD+: • Li potential refined for  $S_y(T)$  & retention studies
- TPE: • expected back in operation 6/05
- BLM: • He bubbles in Ga predicted to form and increase with T

## Needs and Issues

Need to irradiate at relevant impact angles

Need to determine kinetics of Li migration into graphite

Need mixed materials effects data at high T

T inventory issues remain high priority

Research focus shifting to ITER, but more LM work for NSTX needed